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CAT -9 SELF- SETTING CEMENT

DESCRIPTION

An intimate composite of uniquely developed and researched asbestos free inorganic mineral fibre combined with hydrallic cement and chemically inert fillers. CAT-9 cements combines with water to form a general purpose protective coating with self-setting properties as per IS9743 and BS3533.

Where additional mechanical strength is needed, the cement may be applied over wirenetting, or expanded metal. Any pins or clips used to secure such reinforcement to the equipment should be turned down into close contact with the surface of insulation before the application of the cement.

CAT-9 cement is suitable for application on thermal PHYSICAL PROPERTIES: insulation of various types and sets without application of heat to produce a hard serface layer resistant to weather impact and abresion damage. CAT-9 self- setting cement conforms with BS 3958: part 6 or IS 5724-1970.

CAT-9 self-setting cement fulfills a vital function in the total insulation system by protecting both the integrity and thermal efficiency of basic insulant.

Application includes steam turbines, vessels tanks, pipe works, chemical process plants, gas ducts etc. it is non-combustable as per BS 476 part 4 and therefore suitable for sufacing light weight fire protection media applied on structural steelworks.

MIXING AND APPLICATIONS

CAT-9 is normally mixed in a ratio of 4 parts of cement by weight to 3 part by weight of water. Actual proportion may vary with substrate. The mix material should be used within 2 hours. Unused material should not be used with a fresh batch. CAT-9 is suitable for application by convensional trowelling methods.

Applied density : 1200 to 1250 kg/m³

Box density: 750 to 800 kg/m3

Wet covering capacity: Approx 62m2 per m.t 12mm thickness, 125m2 per mt at 6mm thickness.

Resistance to impact: 20-24 mm

Resistance to Compression: 4500-5000 KN/m2

Flexural strength: 2800-3100 KN/m2

shrinkage: 0.18% maximum

Initial Set (setting time) Within 24 hours

Final Set: 20-25 days after laying

Drying time: 48 hrs under normal conditi on upto 72hrs under cold humid conditions.

Temperature limit: 700° C for cont-

inous service conditions.

EXPANSION JOINTS

Expansion joints are desirable where the cement is subject to the effects of appreciable expansion and construction of the underlying surface, so as to limit the size of each independent panel to approximately 2m x 2m.

STORAGE

CAT – 9 cement should always be stored under dry conditions.

PACKING

50 kg polythene lined Hessian Bags.